

PRODUCT INFORMATION PACKET



Model No: 119486.00

Catalog No: 119486.00

White Duck™ Brake Motor, 1 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 56HC Frame, TENV

Operational at 208-230/460 V @60HZ



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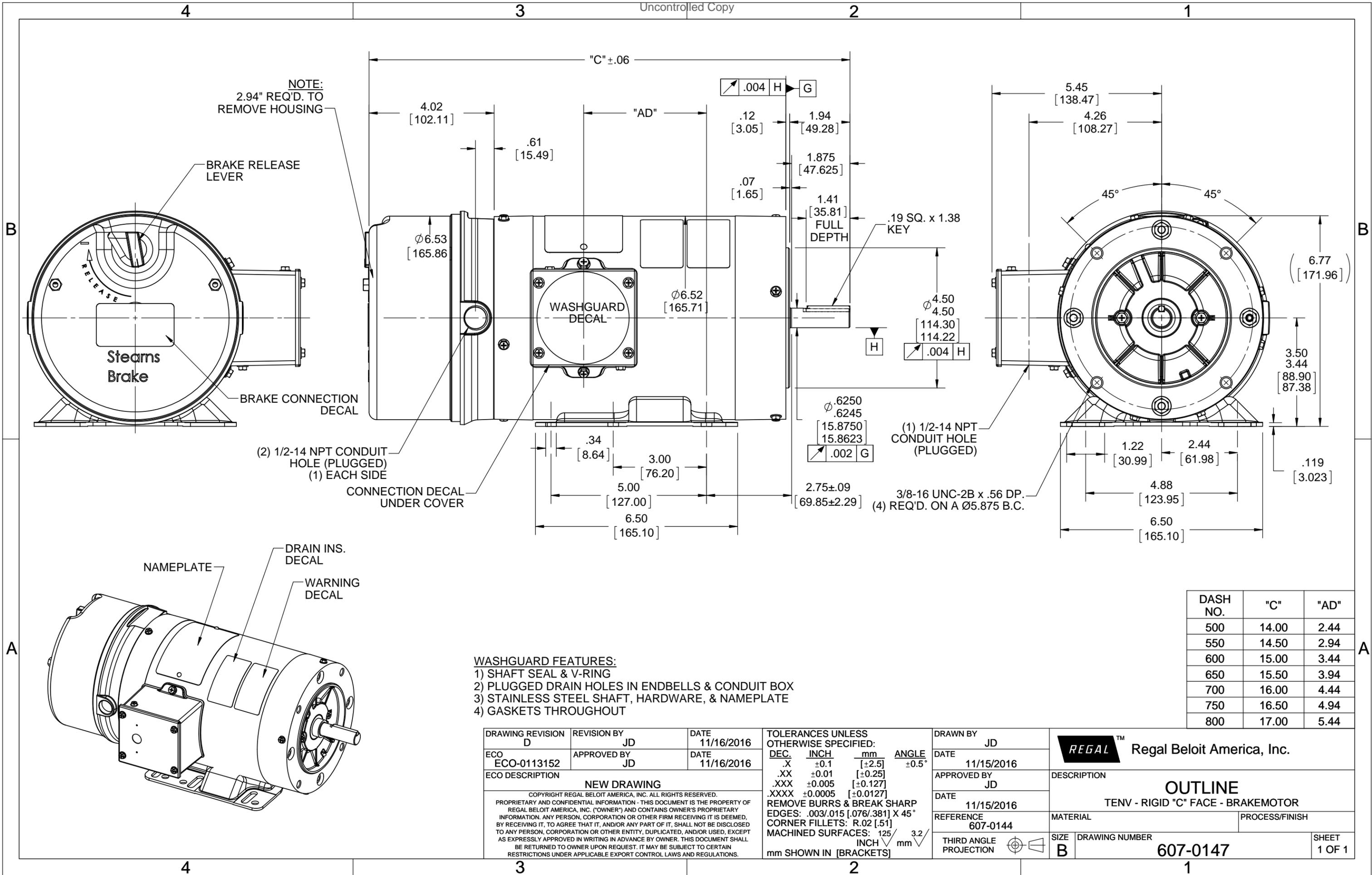


Nameplate Specifications

Phase	3	Output HP	1 Hp
Output KW	0.75 kW	Voltage	230/460 V
Speed	1750 rpm	Service Factor	1.15
Frame	56HC	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	Thermostat	Efficiency	85.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	2.8/1.4 A	Power Factor	77.7
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	L
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	17.00 in
Frame Length	8.00 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005010.28	Outline Drawing	607-0147-800



NOTE:
2.94" REQ'D. TO REMOVE HOUSING

BRAKE RELEASE LEVER

BRAKE CONNECTION DECAL

(2) 1/2-14 NPT CONDUIT HOLE (PLUGGED)
(1) EACH SIDE

CONNECTION DECAL UNDER COVER

NAMEPLATE

DRAIN INS. DECAL

WARNING DECAL

- WASHGUARD FEATURES:**
- 1) SHAFT SEAL & V-RING
 - 2) PLUGGED DRAIN HOLES IN ENDBELLS & CONDUIT BOX
 - 3) STAINLESS STEEL SHAFT, HARDWARE, & NAMEPLATE
 - 4) GASKETS THROUGHOUT

DASH NO.	"C"	"AD"
500	14.00	2.44
550	14.50	2.94
600	15.00	3.44
650	15.50	3.94
700	16.00	4.44
750	16.50	4.94
800	17.00	5.44

DRAWING REVISION D	REVISION BY JD	DATE 11/16/2016
ECO ECO-0113152	APPROVED BY JD	DATE 11/16/2016

TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.01	[±0.25]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45°
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 125 INCH 3.2 mm

DRAWN BY JD	DATE 11/15/2016
APPROVED BY JD	DATE 11/15/2016
REFERENCE 607-0144	THIRD ANGLE PROJECTION

REGAL™ Regal Beloit America, Inc.

DESCRIPTION
OUTLINE
TENV - RIGID "C" FACE - BRAKEMOTOR

MATERIAL
PROCESS/FINISH

SIZE
B

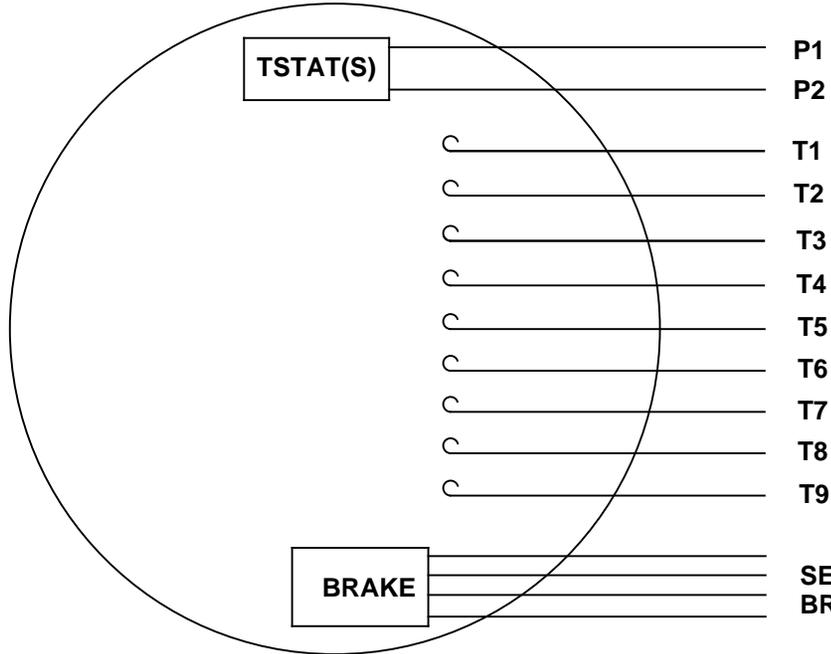
DRAWING NUMBER
607-0147

SHEET
1 OF 1

NEW DRAWING

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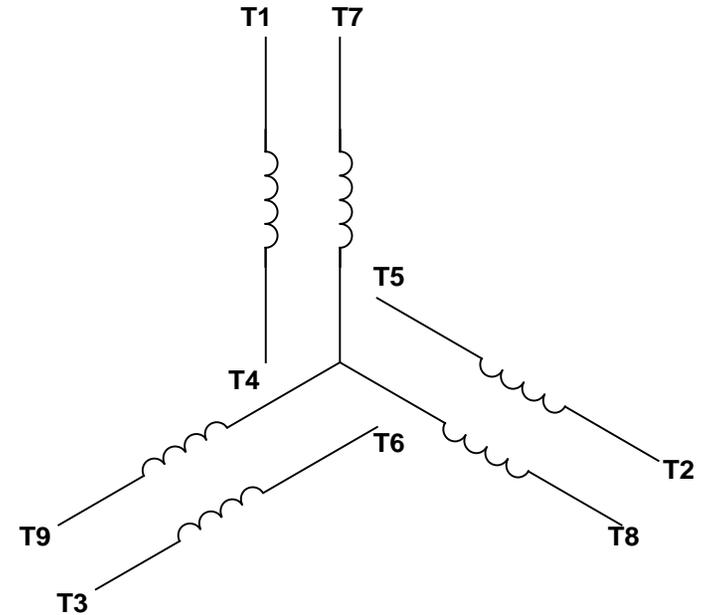
VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



P1
P2
T1
T2
T3
T4
T5
T6
T7
T8
T9

SEE TABLE FOR
BRAKE CONNECTIONS

LINE LEADS



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BRAKE CONNECTION						
VOLTAGE	STERNS BRAKE			DINGS BRAKE		
	L1	L2	Join	L1	L2	Join
HIGH	1(RED)	2(RED)	3(BLACK) 4(BLACK)	2(BLACK)	4(YELLOW)	1(YELLOW) 3(BLACK)
LOW	1(RED) 3(BLACK)	2(RED) 4(BLACK)	-----	2(BLACK) 3(BLACK)	1(YELLOW) 4(YELLOW)	-----

VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4, T7) (T5, T8) (T6, T9)
LOW	T1, T7	T2, T8	T3, T9	T4, T5, T6

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN RDW 09/14/99		
				DEC	INCHES		CHK		
				.X	±.1		APPR		
				.XX	±.01		SCALE	1:1	
				.XXX	±.005		REF	005010-15	
--	REDRAWN IN SOLIDWORKS	VJB 02/08/11		.XXXX	±.0005	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR		FMF	
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	MAT'L DECAL - 004014 DECAL - 080088		PAGE OF	
THIRD ANGLE PROJECTION			RFP	PREV	SIZE	DRAWING NO		REV	
			NETWORK FILE NAME 00501028		A	005010-28		--	



**1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-377-8810**

CERTIFICATION DATA SHEET

CATALOG #: 119486.00

CONN. DIAGRAM: 005010.28

OUTLINE: 607-0147-800

MOUNTING: F1 ONLY

WINDING #: T634471 NR 3 B

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	0.75	1800	1750	56HC	TENV	L	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	208-230/460	3-2.8/1.4	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	85.5	3/4 LOAD EFF:	86.9	1/2 LOAD EFF:	85.1	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	77.7	3/4 LOAD PF:	70.3	1/2 LOAD PF:	57.9	0		SQ CAGE IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
48.04 OZ-FT	24.9 / 12.4	166 OZ-FT 346 %	206 OZ-FT 429 %	-

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0 LB-FT^2	0 LB-FT^2	0 SEC.	0	0 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	BRAKE	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	WHITE - LEESON (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	303 STAINLESS (C-501)	ROLLED STEEL
6205	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

*
N
O
T
E
S

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE NONE NONE NONE NONE PPR
BRAKE: REGAL SUPPLIED AND MOUNT NONE
STEARNS P/N 004225.80 56,000 NEMA 4 6 FT-LB 230/460 V 60 Hz



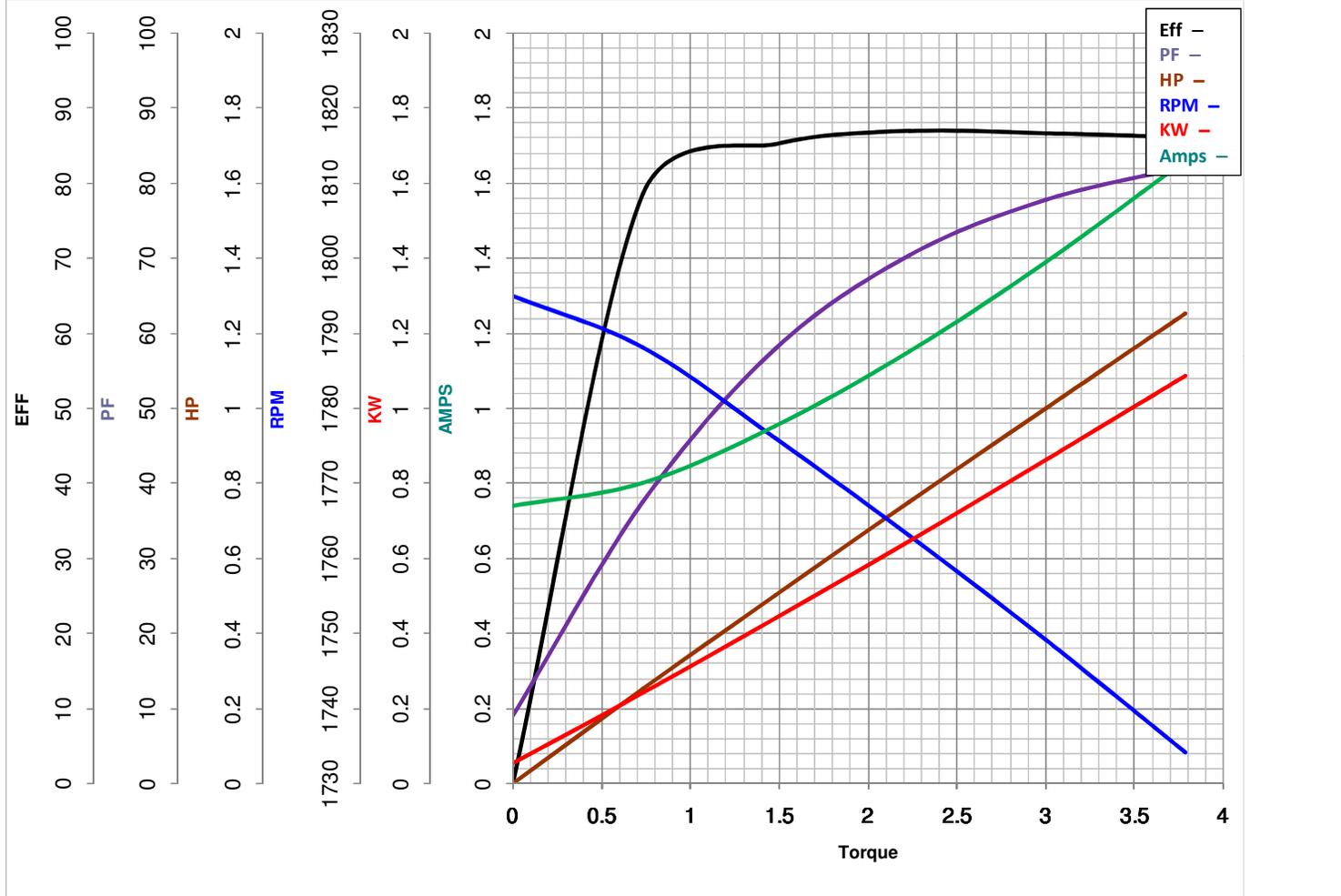
LEESON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 119486.00

Curve at 460 Volts HP 1.00 PHASE 3
60 HZ
1 HP VOLTS 208-230/460

Catalog No 119486.00

HZ 60 RPM 1750



Torque in Lb.Ft

FL TORQUE 3.003 Lb.Ft
BD TORQUE 12.9 Lb.Ft
LR TORQUE 10.38 Lb.Ft

FL AMPS 3-2.8/1.4
PU TORQUE 11.4 Lb.Ft
LR AMPS 12.43

WINDING T634471-3

Date 5/22/2018

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
1946 West Cook Road
Fort Wayne, IN 46818

and the authorized representative
established within the Community:

Regal Beloit Italy
Via Modena, 18
24040 Ciserano(BG) - Italy

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 119486.00

(Model No. may contain prefix and/or suffix characters)

Catalog No : 119486.00

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Zach Stauffer
Vice President, Engineering

Authorized Representative in the Community:



Stefano Casiraghi
Technology Director, Engineering

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